146.73-, 147.13+, 147.075+, 449.420-, 52.68-; Pkt 146.7-, 145.05

Apr. 'ØØ pg.1 -37- 1.373

Scope

also ATV

Palomar Amateur Radio Club Inc.

Scope (USPS #076530) Vol. XXVI No. 4, April **2ØØØ**, published monthly by PARC at 1651 Mesa Verde Dr., Vista, CA, 92084. *Periodicals postage pd. at Vista, CA 92085.*
Dues $12/yr or $21/family/yr *(includes newsletter subscription,$3 in Co & $4 out of Co.)*
Editor: Stan Rohrer W9FQN, 30311 Circle R Lane, Valley Center CA 92082

POSTMASTER: Send address changes to SCOPE, P.O.Box 73, Vista CA 92085-0073.
See pg. 12: Contents, Club Calendar, Repeater Use, PARC Frequencies, and PARC Nets.

Send $12 Dues To:
PARC, Box 73
Vista CA 92085-0073

Next Club Meeting

Charlie Ristorcelli NN3V CTR@Prodigy.com

(Meetings are temporarily being held the 1st Wednesday of each month in the Carlsbad Theatre in down town Carlsbad at 7:30 p.m. See map on this page for directions)

April Program

The April program will be a collage. A chance for the members to voice opinions, and also to learn about the Field Day (FD) plans. We are doing FD differently this year. After all, it is the turn of a Century!.

After routine announcements, we will open the floor to comments and questions from the membership on any subject (within the bounds of propriety). This is an opportunity for everyone to speak out and give us opinions, or ask questions about our favorite hobby.

It will be an excellent opportunity for you, the PARC member, to offer ideas about programs you would be interested in having us arrange. Likewise, if you have questions about the new licensing rules, etc., it would be a good time to learn something new.

For those of you too shy to speak up!!, we will have anonymous question forms for you to fill out, and we will try to answer the questions during the meeting

Second on the agenda, we will discuss the planning that is ongoing for this year's PARC FD 2000. There is a lot of effort being dedicated to making this year one of the best Field Days ever.

*NN3V*Charlie and the FD Planning Committee will offer a slide presentation showing FD history, the FD site preparations that are ongoing to give us a leg up on our equipment (lots of fine tuning of antennas, etc).

*WN6K*Paul tell us about the operating plan including the schedule for operators who wish to sign up and simply come up to the site to operate the equipment.

Remember that the club meeting is held at the Carlsbad Village Theater, at 2822 State Street in downtown Carlsbad(*see map on this page -Ed*). Come early and join the groups of Club members who are enjoying the many nice restaurants adjacent to the Theater before the meeting.

So come on out and enjoy a fine evening of Ham fun at the Club meeting. And come early, talk yourself in on the repeater, and join the early arrivals for dinner somewhere in Carlsbad.

MOVING ?

Al Donlevy, Mbr.Ch., W6GNI@Juno.com

Across Town or Across the Nation?

When you send out those change of address cards, please remember to advise the Palomar Amateur Radio Club of your move. Yes, you will still get the SCOPE, but if it is forwarded, and you see the Post Office sticker on it, that means that the Post Office has sent a bill of 50¢ for the forwarding to PARC.

You can advise PARC of your new address by mail to our Post Office Box 73, or send e-mail to **aldonlevy @juno.com**. The money saved helps maintain our repeaters and helps reduce other club expenses.

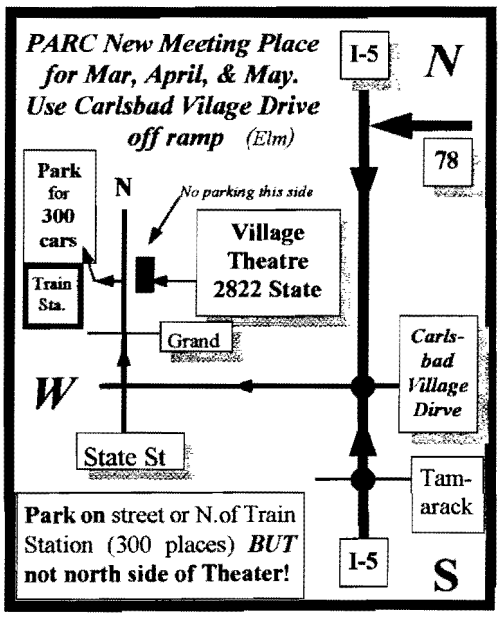
Thanks for your cooperation and consideration.

San Clemente *Island* Donation (*Flash*)

Over the years the Palomar Amateur Radio Club has been blessed by many of its members donating things to PARC, or ever aware of our needs, they find something laying around that is not being used or is being thrown out which can be donated and used by the club.

Batteries (large and small)

Antenna towers (repeater site & FD)



Metal buildings(rptr site)
Radios
Generators (Honda)
Computers and parts
...and now the biggest opportunity of all time for the club.

The Navy, because of their "pull back" at the Naval air station at Mira Mesa, has declared San Clemente Island as "surplus to their needs" and the island is to be no longer used for bombing and target practice.

Our former club VP and present Board member, *KF6BFI*Ted Wilcox, (Navy Brass), became aware of this about a year ago and while looking into the rumor, he found out that it was true that the island was going to be made available to the public at rates similar to "cattle grazing rates" here in California.

Ted, with Board approval, put in our bid for the leasing rights of the entire island which was finally accepted by the US Government on March 1st of this year.

The lease is a 50 year lease at $1,488.73 per year. While this is a lot of money for the club, it is felt that several ideas put forth by the Board could easily pay the lease money each year resulting in zero cost to club members.

The contract states that we must use the land to maintain a herd of goats (*no number specified -Ed*) and that we are allowed to build any structures needed to help us accomplish that end.

(*So if any of you have a goat, we certainly would like to get it! -Ed*)

The PARC Board feels that this is a great opportunity for the club to expand its amateur radio emergency service into all parts of San Diego County, upper Baja, and up along the coast where our present repeaters do not reach.

The club will be able to build very large switchable 2m rhombics for autopatch use allowing us to blanket the entire county with earthcrushing signals much like the Catalina Repeater presently does except that San Clemente Island is much closer to San Diego County and these large rhombics have tremendous gain.

The Board is also looking into holding Field Day on the island and *NN3V*Charlie is looking to form a small armada of boats to ferry club members and equipment to the island for Field Day *this* June.

Charlie has already had volunteers with boats and is looking for more: *W6GNI*Al (sailboat), *N6DOM*Carl (fishing boat), *KE6ZLY*Glenn (unknown), *KE6EDC*Oscar and *K6GO*Gayle (fishing boat), and ??? Please contact Charlie if you have a boat available. We need more for the island fairy!

The club's Friday evening Hiking net members have consented to explore the Island for good FD antenna locations later on this month with ***KE6ZLY***Glenn being project coordinator for this endeavor.

On the drawing board are some of the following projects and if any of our club members have additional items, please call them to the attention of our club president ASAP:

Repeaters covering SDCo to LA
Housing for DXpeditions
Tours of Navy Craters, etc.

(*Many of you are familiar with San Clemente Island and the fact that the United States Navy had been using the island for many years as a bombing or target range for its Navy jets -Ed*)

The island was first settled by local Indian tribes and the club will be working closely with several of them to make sure that no more artifacts are destroyed and that those that were blown up by the Navy are returned to their normal resting sites.

The Viejas Indian Tribe has expressed great interest in our taking over the Island and they are willing to invest considerable sums of money in the project with the future possibility of instituting some very old Indian games.

And to top all this off, the FCC has indicated the availability of a vanity callsign of **IM1APR** which belonged to a former club member from Maine and the ARRL has indicated a willingness to designate San Clemente Island a separate country status because of our close ties with the Viejas Indian Tribe which,

P.A.R.C. Inc (*2000 Board*)

Pres: **Allen Maslowski N2DCA** 858.642.2400x1229 N2DCA@amsat.org
VP: Charlie Ristorcelli **NN3V** 858.676.3307 NN3V@ARRL.net
Sec: David Patterson **WB6DAV** 760.727-5560 WB6DAV@juno.com
Treas: Jo Ashley **KB6NMK** 760.741.2560 KB6NMK@amsat.org
Dir#1: Ted Wilcox **KF6BFI** 619.295.1202 KF6BFI@amsat.org
Dir#2: Marsh Parker **WA6SAX** 760.751.8930 W6SAX@amsat.org
SCOPE: Stan Rohrer **W9FQN** 760.749.0276 W9FQN@Juno.com
Technical: Mike Doyle **AB6QT** 760.742.1573 AB6QT@amsat.org
MSh: Al Donlevy **W6GNI** 760.630.3096 W6GNI@amsat.org

Board Mtg. 7:00 pm Wednesday of week following the Club meeting as announced.

Treasurer $$,$$$

Jo Ashley **KB6NMK** @amsat.org

See me at club mtgs for "hard copies" of financial statement(s).

Location/due	**11.30.99**	**1.31.00**
CD4#4~08.19.98	2,232.42	2,252.30
CD5#2~10.09.98	2,384.01	2,406.36
CD1#3~05.24.98	2,347.50	2,364.08
CD4#1~08.13.99	2,843.59	2,870.25
Checking	5,944.37	5,513.58
Post Office	98.56	98.29
Ca$h+CD's	15,850.45	15,504.86
Pre-Pd.dues/liab	6,212.00	5,293.00
projects/available	**9,638.45**	**10,211.86**

Past months projects "available":

02.31.96	**$7,884**	2.28.99	**$10,118**
02.31.97	**$4,880**	4.30.99	**$8,546**
02.28.98	**$8,414**	6.30.99	**$8,760**
05.31.98	**$7,982**	7.31.99	**$8,888**
12.31.98	**$8,369**	10.31.99	**$10,191**

Routine: Scope printing ~$300/mo; Scope postage ~$70/mo; electricity ~150/mo; phone ~$50/mo = ~$570/mo. (Insurance each Nov. ~$1,100/year)

Under consideration: 6m repeater spare ~$200; 449.42 repeater spare ~$200; spare antennas ~$700; etc = ~$1,100.

Approved expenses not spent: $100 tent trailer; $1,000 heliax/fittings; $200 coax; = ~$1,200

Last month's Scope Helpers:
Thanks to Art and Anita for the folding space and the refreshments. Really great cookies.

KC6WAN Ralph — *N6OYG* Victor
W6YOO Harry — *W6GNI* Al
N6UZH Terri & *MY2KID* Tyler/Matt
W9FQN Stan — *KB6NMK* Jo
KB6YHZ Art & *KB6YHY* Anita

of course, is an independent nation.

The contract (lease) is to be signed by our club president, *N2DCA*Allen on *April 1st*, 2000.

Thanks (*muchas gracias a todos*)

Tnx to the following goodie providers:
N6TCB, *KE6ZLY*, and *KB6PCF*. Your contribution to the meeting was rewarded with one extra activity point.

Long AGOGO (*history*)

WA6KZN-K6HAV-KI6JM(*sk*)-W9FQN

(*The purpose of AGOGO is to list info on file in previous editions of the Scope -Ed*)

(04-99) ...Charter member *W6LKC* dies ..History letters ..Field Days past..APRS.. CW not dead ...

(04-90) ...RACES program ..Sunday ARES net.. phoning emergencies ..*KI6JM*(sk) takes over PARC history items ...

Board Mtg. (*Minutes*)

Al Donlevy **W6GNI**@amsat.org

Next meeting at KB6NMK QTH

(*Club members are invited to Board meetings at Board members QTH's at 7pm on the Wednesday following the club meeting as announced herein. You receive one participation point for attending*)

Called to order at 1902 Hrs by new Secretary, *WB6DAV*Dave. Members present: *N2DCA*Allen(late), *NN3V* Charlie(ab), *WB6DAV*Dave, *KB6NMK*Jo, *W9FQN*Stan, *AB6QT* Mike(ab) and *KF6BFI*Ted.

Approved: Treasurer's report; W9FQN to buy safe $20; Secretary's report; $100 for FD repair/equip; W9FQN to request permission for FD site and check insurance; program April is on FD; next Board meeting at KB6NMK's QTH; meeting adjourned a 2045 Hrs.

Discussed: NN6K to check Porta-Potties for FD; meeting place for V.E. Testing; 147.075 patch will not shut down with a #; and other humorous items.

President's Message

Allen Maslowski **N2DCA**@amsat.org

This month I thought I'd write about something that is close to my heart, Homebrewing. Yes I know that a couple of months ago we had homebrew night as the general meeting and I wrote about it then too. I think it is that an important subject and it needs more coverage.

Most HAMs are tinkerers. That's the nature of being a HAM. Yes, it's easy to just go down to the local 'candy store' and buy one of those black box radios, but what do you learn. There are allot of us HAMs out there that build their own equipment and there are those of us that are afraid to dive into the sea of electrons for fear that they will drown in their efforts.

Well, loose the fear and start swimming! If you are interested in homebrewing, start by picking an easy, guaranteed to work project. If you still have that fear in you, there are plenty of other HAMs out there that would be more than happy to help you 'swim.'

One simple project that I know of is the 'Oner'. It was published in QST in October 1994. You can also get the information on this project off the Internet. This is a simple 1-Watt Transmitter with very little adjustment. Yes you can do a lot with just one watt and just a simple antenna. You can build it for anyone of several HF CW bands. It's almost fool proof. There is also a companion receiver you can build.

Both of these simple projects are available in kit form for about $15 to $20 dollars. Not to bad of an investment to LEARN something and have fun doing it.

To get the information off the Internet, just do a search for 'Oner.' One of the search results you get will be the information you need. The companion receiver is a little more involved. I recommend you start will the transmitter and use your 'Black Box' receiver when you first start homebrewing.

Building your own equipment is rewarding, both in the information that you will learn and the feeling you will have when you, 'Rig here is homebrew.' There is a wealth of information on the Internet

HAM RADIO OUTLET
HRO
Tom KM6K
Ron N6OMW
Jose XE2SJB
Bob KA6EKT

KENWOOD
rf CONCEPTS
DIAMOND
US TOWERS
KANTRONICS
YAESU
MFJ, ICOM
BENCHER, Inc.
HUSTLER
COMET
AMERITRON

Astron,
AEA,
OUTBACKER
Larsen Antenas
TEN-TEC
hy-gain, Tri-EX,
cushcraft
and
others too
numerous to
mention!

Drop in to see our display of working equipment.
Find out about Pkt location determining equipment (APRS).
Check our complete line of magazines, ARRL books, license manuals, and Bulletin Board with all sorts of goodies listed.

Open: **10a.m. - 5:30p.m.**
Monday thru Saturday
619-560-4900 or toll free **1-800-854-6046**
5375 Kearny Villa Rd, S. D.
Ask about our great prices
Dec98

Directions: On 163, take **Clairemont Mesa Blvd.** off ramp to East. Stay in right-hand lane. Turn right at stop light. As you are turning right you can see our beams in the shopping center. Travel 100 yds. on Kearny Villa Rd. and U-turn back to shopping area and **HRO** sign. Be sure to see our equipment in action on **real** antennas.

Committee Chairmen

(appointed to serve Sept'99)

ARESinfo.	-Dennis S	**K7DCG**@amsat.org
Attendance	**-Stan R**	**W9FQN**@Juno.com
ATV	-BillS KB6MCU	**W6GIC**@amsat.org
Auction	-____	_____
Badges new	-Al	**W6GNI**@amsat.org
old	-John T	**W6OLQ**@amsat.org
Batteries	-David KD6EBY	DAT@Gerry.Palomar.caltech.edu
BBSMonitor	-Bill B	**N6FMK**@amsat.org
Billing:Ads/etc	-Lyell K	**K6GVM**@arrl.net
By-laws	-Paul KF6VIE	pdecicco@pondlaw.com
&	-Ron RWA9JCL	r3mb@concentric.net
ControlOps.	-filled	W6NWG@amsat.org
D.Mar Fair	-Barbara R KA6FPS	**Tennis42**@Juno.com
E-mail Ltrs.	-Harv H	**KD6QK**@amsat.org
Emergency QTH's (Emergency Com. Centers)		
HarryH	-W6YOO	**W6YOO**@amsat.org
DennisV	-N6KI	**N6KI**@amsat.org
Equip Inv.	**-Stan R**	**W9FQN**@Juno.com
Field Day	-Charlie	**NN3V**@ARRL.net
FDTech.	-John K	**WB6IQS**@Juno.com
Historian	-Stan R	**W9FQN**@Juno.com
Interference	-BillS **KB6MCU**	**W6GIC**@amsat.org
MtgGoodies	-_____	_____
Membership	-Al	**W6GNI**@amsat.org
Nets	**-Stan R**	**W9FQN**@Juno.com
Newsletter	-Stan R	**W9FQN**@amsat.org
PALBBSpkt	-Bruno H	**KF6QDP**@amsat.org
Patch Info	-Stan R	**W9FQN**@Juno.com
PatchETronics	-Jerry H	**WB6FMT**@amsat.org
Picnic	-Bill D	**WD6AHW**@amsat.org
PowerAC/DC	-Mike P	**KD6VHI**@amsat.org
Programs	-Ted W	**KD6BFI**@amsat.org
Publicity	-Fred S	**KE6BGI**@amsat.org
QSL Cards	-Jim C	**KD6IVF**@amsat.org
RACESinfo	-Jo A	**KB6NMK**@amsat.org
Red Flag-	W6HCD	NashWilliams@Compuserve.com
Rptr Site	-Stan R	**W9FQN**@Juno.com
Rptr Skeds	-Stan R	**W9FQN**@Juno.com
SANDARC	-Sybil A	**W6GIC**@amsat.org
	-BillS KB6MCU	**W6GIC**@amsat.org
SellerTable	-John K	**WB6IQS**@Juno.com
AstSWDivDir	-Walt	**WA6ODQ**@arrl.net
TechSite	-Mike D	**AB6QT**@amsat.org
TestingVE	-Rusty M,	**DuneDancer**@worldnet.att.net
Training	-_____	W6NWG@amsat.org
TrusteeW6NWG	-MikeD	**AB6QT**@amsat.org
Web Site	-Frank L	**KE6WOE**@amsat.org

(Net Managers) (see pg.12)

ARES Sun	-Stan R	**W9FQN**@amsat.org
Staff Net	-David D	**KC6YSO**@amsat.org
ARES 6m	-David D	**KC6YSO**@amsat.org
Ham Help	-Mike D	**AB6QT**@amsat.org
	-David D	**KC6YSO**@amsat.org
Sat	-Doug **KF6QXU**	**DWES88**@aol.com
Hiking	-Ed	**KF6DXX**@Juno.com
	-Glenn KE6ZLY	W6NWG@amsat.org
MARA	-Cathy KE6IQU	W6NWG@amsat.org
Microwave	-Kerry B	**N6IZW**@qualcomm.com
MorseCode	-P.C.	**WA6TIL**@amsat.org
Off Road	-Jerry A	**jwak6pfp**@cts.com
	-Mike D	**AB6QT**@amsat.org
Sailors	-Larry D	**W6QCA**@amsat.org
Traffic(SDCTN)	-Charles**N6TEP**	cmiele@juno.com

Names in heavy type are looking for replacements.

Appointed members serve until they find a replacement that is approved by the Board.

Questions about club policy or for information can be addressed to ***W6NWG***@amsat.org or P. O. Box 73, Vista. CA 92085-0073.

We can all take advantage of it. Remember that Homebrewing is part of the Amateur Radio heritage, so lets all help keep this part of our great hobby alive. So jump into that sea of electrons and start swimming!

73's and I'll see you on the air. Allen

Last Meeting *(not quite)*

Attendance at the March meeting was 74 including 9 visitors but the sign-in sheet failed to make it everyplace in the theater.

Attendance at the February meeting was 85 including 3 visitors.

Thanks to the Hiker's Net for a informative program on hiking, equipment used, uses of amateur radio while hiking, and special antennas. Participants were: ***KF6BFI***Ted, ***AA6J***Bill, ***KF6KBZ***Paula, ***KF6PAZ***Tom, ***W6VR***Bob, KE6ZLYGlenn, ***W6GNI***Al and ***W9FQN***Stan.

Membership Info

PARC Membership	Jan	Feb
New Members	4	1
Renewals	27	25
Non Renewals	18	15
Members at Month End	604	590

Please urge your friends and associates to Join PARC, and remain active members. Together, we can accomplish more than as individuals. ***W6GNI***

Fine Print (someone always reads it!)

Some of those sharp eyed members that read the fine print scattered around in the Scope are: *W5ACE, W2PWS, WI6B, K6PFP,* and *????*

VEC Volunteers

The SANDARC VEC is looking for volunteers. If you are a licensed radio amateur, General class or higher, who would like to volunteer a couple of hours to assist at licenses examination sessions, we would like to hear from you. There is a test given somewhere in San Diego every Saturday and the examiner teams can use some help. For more information contact Harry at W6YOO@utm.net or Tuck at K6ZEC@arrl.org. 73, Harry

*(Harry **W6YOO** is in charge of the EARS VE testing the last Saturday of the month and Rusty **AA6OM** is in charge of the 2nd Saturday PARC testing. Rusty can be contacted at - **DuneDancer@worldnet.att.net** -Ed)*

EARS Auction

How many times is your significant other going to nag at you to get rid of your boat anchors? Well, here's your chance.

Bring your treasures (junk) to the EARS annual auction and go home with some new stuff (junk).

The date is Tuesday, April 25m 2000. Location is the Escondido Chamber of Commerce, 720 N. Broadway, Escondido. Sellers register at 6:00 PM, buyers at 6:30 PM and the auction will begin at 7:00 PM. Our auctioneer is Art McBride, KC6UQH, whose historical knowledge of things electronic is phenomenal. 10% of the proceeds go to EARS. *(EARS publicizes PARC auctions and we advertise theirs -Ed)*

DEC ARES

The ARES Staff Net is changing their net from Saturday at 7:15 PM to 8:15 PM on 147.130 starting April 1st so that more ARES officers can participate *(DEC = District Emergency Communicators -Ed)*

The following are DEC's for SDCo:

K7DCG	Dennis	Northern District
N6NKJ	Rich	Eastern District
W6WYN	Al	Central District
KF6TOK	Ralph	Southern District
WB6CGJ	Dennis	Imperial Co District

Address Label

Please check your address on the label. Sometimes your "regular" postal person will deliver to you even though your address isn't quite right. When that postal person goes on vacation, you may miss your SCOPE, and it will be returned to PO Box 73, Vista, CA 92085, and the club is charged a fee for the return. Send corrections to PARC, PO Box 73, Vista, CA 92085 or e-mail to **aldonlevy@juno.com**.

For Sail

(W9FQN@Juno.com)

Personal equipment ads *are free to members and could be "bumped" after 3 mo. Copy ads after the form used below and send to Editor, W9FQN, 30311 Cir. R Ln, Vly. Ctr. CA 92082, (**W9FQN@Juno.com**) before the 20th of each month.*

Commercial Ads *in big boxes: $2/col. inch/mo. We will "squash" your copy to the number of inches bought.*

(3.19)13 inch computer monitor $30 obo: optimus pro.50mx head set, has boom microphone, closed vinyl ear cushions $20 obo: Bernice N6WQR@Juno.com 858-505-4603.

(3.8a)Low Pass Filter $10; Micront RS tester $20; **All Kenwoods** TS-180S HF SSB xcvr $1,990; PS-30 pwr sup $200; speaker SP-180 $65; tuner AT-180 $200; mic & stand $75; all mint cond for $2,530. **Contact Tom 760-722-3408**. (Ocsd)

(3.8b)All **Kenwoods** HF xcvr TS-120S(V) $1,200; DC pwr PS-20 $100; mic MC-35S $50; all mint cond for $1,350. **Contact Tom 760-722-3408**. (Ocsd)

(3.8c)All **Kenwoods** 2m TM-2570A xcvr $556; 2m TM-2570A xcvr $556; AC/DC pwr sup PS-20 $120; all mint cond for $1,232. **Contact Tom 760-722-3408**. (Ocsd)

(I have a descriptive list at club meetings -Ed)

(3.7)**Icom** IC-707 HF rig with CW filter & hand mike, 1 yr old mint condx $450; **KAM** Plus MCP $175; **MFJ**-934 Ant Tuner/Art. Grnd $65: Herb KO6Z 760-736-4095. ko6z@juno.com

(3.7) New base station satellite xcvr **ICOM** 821-H 2m/70cm full duplex (in box) cost $1,400 sell for $850: C.L.Ball 858 538-3532.

(1.25)Antique Classic "Super Pro **Hammerland** Receiver" mfd 1936 w/spare tubes, will trade for amplifier or cash: Paul W8VDH 760-726-5007 Vista

(1-22)**N6OLE** CLEANING HOUSE: Drake **TR7, TR7A** & remote VFO unit + misc DRAKE parts in a box $450 for the PKG; military throat mic + headphones BO; Heath cap. chkr $10; misc AMPex audio equip. (call); misc hdphones and spkrs in a box-(any offer); Precision "Steel Six" lab mtrs. $5 ea; Proximator I vehicle det. $2; Olson CB067 Swr Mtr. $3; Keithly Auto R. Mtr. $15; Centek DVM $4; Motion Det. Solfan 5240 $5; 25v.3A Reg. Pwr Sup $20; Sears Road **TALKER 40** SSB XCVR $50; CDR Decade Capacitor $4; Sabetronics Freq. Cntr mod. **8110A** $20; Healthdyne Lab digital thermometer mod. 2000 $5; call AB6QT at 760-742-1573 after 5pm.

(1.21)**Commodore** 64, disk drive and printer $15; **Palomar HF** pre-amp 160 to 6 meters $25; color video camera zoom lens and power supply $30; George 619 697-8149.

(10.19)**Ameritron** amp AL572 1300w PEP (pg27 Oct99 QST) $450; **Kenwood** KPS 12v 50w pwr sup $40; JPS noise interference reduction unit NIR-10 $25; Heathkit(s) sine-sq wave audio gen IG-18 $30; transistor testor IT-27 $10; TV color bar generator $10; TV alignment gen $10 (all 4 $50); EICO sig gen 150KHZ-430 MHz $25; ARRL ant book $30; ARRL 1-17th & 1-18th addition $7 each: Wayne W6RWV 760-724-0777 Vista.

(10.13) Highway Electronics, 305 Wisconsin Ave, Oceanside, has all sorts of **electonic parts**: meters, tubes, inductors, capacitors, transformers, etc: Nick 760-967-7225 10am-3pm. Ocsd.

(10.13) **Coax** RG8AU 3'-120' with/without connectors (make offer); **CDR-22** $20 & Archer servo type $5; Rosin core solder 5 lb rolls(2) $15 each; **Butternut** Vertical Ant HF2V w/manuel $50; W2AU **Balun** $15; QST'79-'98: KrisW6KTE 760-941-3555 Vista.

WANTED: *(A few good men/women)*

(3.1)Seeking **Employment** as a web-page designer, have refrences: Randy nØpig@hotmail.com (760)439-9488

(2.22)Wanted: Used **Rotator** and control unit: KQ6B at 858-826-4860 or email brogers@nctimes.net

(2.9) Looking for a DG-5, optional digital display for the**TS-520S**. (760) 722-5394, or wbØycq@arrl.net.

(1.28)Wanted: a copy of the manual for a **Cannon** printer Model 200 ES. Will pay copying costs. Printer is to be donated to a student in north county. Nash/W6HCD 940-1028 Fallbrook

(11.08)Wanted: Manual for **HEATH 1B-2A** Impedance Bridge. Can make copies from originals if needed. AB6QT 760-742-1573

(11.2)Wanted 10' **tower** section and top 6, 7, or 8' sections: Bayard K6GAO 619-594-6063da or 858-755-5507Nites.

POWER LINE RFI

After prodding by the FCC, Pacific Gas & Electric Company says it's making headway in mitigating long-standing power-line noise complaints from several Northern California amateur radio operators. Not all complaints have been resolved, however, and several new ones have sprung up in the interim.

The FCC's Part 15 rules obligate utilities and others that fall under their provisions to not cause harmful interference to licensed services and to cease operating a device that's causing harmful

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interference upon FCC notification. For more, see:

http://www.arrl.org/arrlletter/00/0218/

KC6MOA sk

Bill Richardson, KC6MOA, of Ramona, CA, passed away in the early morning of Feb. 17, 2000. Bill had been active in the Western Public Service Net and had been a net control until illness prevented his continuing. He could be heard almost every morning on 75 meters giving the weather from Ramona and talking to his many friends. Services are pending

Cards may be sent to Betty Richardson and Family, PO box 611, Ramona, CA 92065. *73 de Larry WA6UTQ*

Invention: Spread Spectrum

Just a follow-up on your item on the invention of spread spectrum by actress Hedy Lamarr and classical music composer George Antheil. The concept of spread spectrum for radio transmissions came from the interest Heady and George had in player pianos. They reasoned if the punched holes in the player piano roll could change the tone (frequency) sound of a struck piano string, a similar technique could be used to change the frequency of radio transmissions in a random-appearing pattern. A synchronized sequence at the receiving end could tune the receiver.

Although they took their concept of frequency hopping directly to the Navy and the War Departments in Washington, it appears that the government made little use of their ideas until many years later. (From a FCC staff member)

WB6IQS Stopped!

In early March, ***WB6IQS***John, was stopped by the police because they did not like the looks of the old black on yellow license plate with strange letters on it being on a newer vehicle.

The policeman keyed into his mobile computer ***WB6IQS*** and the DMV indicated that that license plate did not exist!!!

In a previous Scope article your editor lamented over the fact that on Smog Checks that he always gets told his ***W9FQN*** plate does not exist and he wondered at the time if he were ever stopped or in an accident if the police would ever be able to find him in the Giant DMV computer. Answer: they cannot find many ham callsigns!

If you have this problem, suggest to the policeman that he should key in not **LNLLL** but **LNSLLL** where **L**= a letter, **N**= a number, and **S**=space (in John's case **WB6 IQS = WB6IQS)** ... but "who knows what evil lurks in the hearts of men, the *shadow* knows."

Please report any strange things that go on with your ham license plate when smogged or stopped by the curious police. The one John got did not even know what a "ham" plate was!

Looking?

Looking for an old friend or someone you just met? Try http:// -

www.WhitePages.com
www.Bigfoot.com
www.switchboard.com
www.anywho.com
www.InfoSpace.com
www.WhoWhere.com

Some businesses are at -

www.GTESuperpages.com
www.WorldPages.com

(*info de Wall Street Journal, 12.6.99*)

CPR ??

It is always better to be safe than sorry. Let's say it's 4:17 PM, and you're driving home, or cruising (alone of course) and after an unusually hard day on the job. All of a sudden you start experiencing severe pain in your chest that starts to radiate out into your arms and up into your jaw.

You are only about five miles from the nearest hospital, nearest your home, unfortunately you do not know if you'll be able to make it that far. What can you do?

You've been trained in CPR, but that guy that taught the course neglected to tell you how to perform it on yourself.

HOW TO SURVIVE A HEART ATTACK WHEN YOU ARE ALONE -

Since many people are alone when they suffer a heart attack, this article seemed in order. Without help the person whose heart stops beating properly and who begins to feel faint has about 10 seconds left before losing consciousness. However, these victims can help themselves by coughing repeatedly and very vigorously.

A deep breath should be taken before each cough, and the cough must be deep and prolonged as when producing sputum from deep inside the chest. A breath and a cough must be repeated about every two seconds without letup until help arrives or until the heart is felt to be beating normally again.

Deep breaths get oxygen into the lungs, and the coughing movements squeeze the heart and keep the blood circulating. The squeezing pressure on the heart also helps it to regain normal rhythm. In this way heart attack victims can get to a phone and between breaths call for help.

This article was taken from Rochester General Hospital, newsletter "*The Beat Goes On.*"

(*practice makes perfect? -Ed*)

WV6Z (*fly boy*)

I have relocated to Saint Augustine, Florida. We left San Diego on September 20, 1999. Love it here and we are building a new home on an Island, Summer Island, fifteen miles south of Saint Augustine. "hi" to the Palomar gang there. Blue Skies & 73 de Del / WV6Z Del Partridge, ***WV6Z***, 5300 2nd St. , Saint Augustine, Florida 32084, (904) 471-8933, **peartree@aug.com**

National Traffic System

Charles Miel **N6TEP**@Juno.com

If we can't get a single person out of over 600 members to get up enough gumption to deliver a simple telephone message year after year, even by cost-free autopatch, they might as well not even check into the SDCTN (San Diego County Traffic Net).

Are we just a bunch of yahoo join-

ers without purpose and not worthy of having an amateur license? Using radio frequencies as an amateur is not a right but a privilege and carries certain responsibilities to be useful as members. Otherwise there is no purpose in being a radio amateur.

Amateur radio is not meant to be just a rag chewing club with no particular purpose, but to use air time in the best tradition of the fraternity, which is one of public service and advancement of radio technology. Why join a fraternity one has no intention to support?

The only way I know how to characterize the present state of the San Diego County Traffic Net is to quote and old TV comedian, "Lonely George Gobel": "It can't hardly get no worser no more." And that is not meant as a joke.

If three - at the most four - individuals have to handle the whole thing night after night, week after week, month after month, year after year, that gets to be a drag!

So, we reduced the frequency of the nets from 7 to 3 nights a week. We really don't know for how long we can keep even that schedule up.

This net is meant as an active training facility for use in case of an emergency for communications when telephone service is interrupted or overloaded. Major destruction from an earthquake would be an example.

Radio amateurs have traditionally served during such times. But if there is nobody trained and willing to handle communications by working routinely with the system, we have nothing to contribute to the community when it counts.

We have pleaded for years to get more participation in this net, but have had absolutely no success at all. Shame on the PARC members!!

N6TEP, SDCTN Manager

(*this letter is presented un-edited -Ed*)

N6LSP SK SK

Harry Monahan

Harry passed away the morning of March 14th of a heart attack. Monday evening he attended a RACES meeting in San Diego. He will be missed by all who knew him. His XYL is KF6EFN.

FD Work Party Report

Hi All: Well, we did it!. What a fantastic workparty, and what spectacular weather. Herewith the report.

In attendance (and earning one raffle ticket for the annual PARC picnic) were: WB6DAV, KD6TUJ, NN3V, KE6ZLY, KG6AMQ, WB6IQS, W9FQN, WB6SPL, KF6BFI, W6SAX, KC6VPX, KF6WTN, and Menchi Castro (no call yet).

We had a SUMPTUOUS Breakfast prepared by KF6WTN, with the able assistance of KE6ZLY and his YL, Gloria. Folks, there is NOTHING as pleasant as hot pancakes right off the griddle, fresh eggs benedict (well, fried or scramble, the hollandaise was too runny), cinnamon buns right off the hot grill, and bacon cooked to perfection, washed down with fantastic coffee and orange juice. What a repast (as you can see in the accompanying photos).

Then it was WORK WORK, WORK, WORK. And to all those reading this who were not there, believe me that the work was spectacular. We started at 10:00 AM and wound up at 3:45 PM, at which time Miller Time was called.

Here is what we accomplished:

10m Beam completely cleaned, refurbished, and marked for fine tuning courtesy of KD6TUJ & WB6SPL. Ready to put up and tune.

10m Beam cleaned, marked, and refurbished. Needs small hardware, and a refurbishing of Gamma Match (under WB6IQS care), thanks to KE6ZLY and KG6AMQ. (*note, we have beams for SSB & CW -Ed*)

6m Beam COMPLETELY refurbished and fine tuned courtesy of KC6VDX (see photo).

20m Beam in SAD shape. Courtesy of KF6WTN, the beam components were completely cleaned, and now we need to restore a tremendous amount of fastening hardware.

20m Beam COMPLETELY refurbished by KF6BFI, W6SAX, WB6DAV, and Menchie Castro. This beam looks NEW!!.

15m Beam totally refurbished courtesy of WB6IQS.

15m Beam refurbished by KF6BFI, WB6DAV, and MenchieCastro.

So... that was a tremendous step forward in antennas alone. There is more!.

We got some 10 rotators, controllers, control cables checked out, matched, and paired in the storage locker.

So, we are well on our way to a FD with freshly revamped equipment status, and since all the antennas were cleaned and preserved with DE-OX, we should have a long period of time of trouble free (well, less trouble) operating.

Next I will get all the ancillary hardware replaced, so that the next work party can concentrate on replacing that hardware, and then reassembling the beams so we can fine tune them to low

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SWR.

The next work party will be planned for Mid-April.

The next thing needed is to start planning the allocation of transceivers, computers for logging and operating, shelters, and generators for the FD (Hear that Paul?). Also, what VHF/UHF antenna we will use (so that we have the mandatory good point count we can get from having those bands covered, and get the messages copied and sent via packet).

FANTASTIC JOB GANG!!. Nice Work. 73 de NN3V

(the FD group meets each Wed on 146.730 at 9pm. Feel free to check-in on their net -Ed)

Iron Man

North County will be treated to the Iron Man competition in Oceanside May 20th. Tentatively, swimming will be in the Ocean near the Marina, bicycle on Camp Pendleton, and running down towards Carlsbad.

They will need approximately 12 stations with helpers to provide communication only for the running event.

Communicators will receive a T-shirt and a meal. Camp Pendleton is responsible for various parts of he Iron Man competition and will also be celebrating Armed Forces Day. They are expecting 20,000 to 100,000 spectators for this event.

Meeting Place *(see you there)*

The Carlsbad Village Theatre is allowing the Palomar Amateur Radio Club to use their facility in downtown Carlsbad (across from the commuter train station) of their March, April and May meetings at a reasonable fee while the Carlsbad Safety Center is having its meeting halls renovated.

Club members should be aware that the Theatre Auditorium is available for rentals and you can see their ad this page.

Show and Tell *(all is told!)*

PARC encourages members to bring in items of general interest to **show or tell** club members.

These short items should only be 3-4 minutes long and you need to remember that you are NOT the program for the evening. Someone else is!

Your purpose is to show or tell about your items briefly and if there is any interest, members can contact you after the meeting for more information.

If there are too many Show-an-Tell items, the VP might ask you to bring you item(s) to the next club meeting when there are not as many items.

Many thanks to *VE7*Peter Shintani who has brought in quite a few interesting items lately.

Field Day Note

Glenn Paden KE6ZLY@Juno.com

To All PARC Members

Field Day is a great time of the year for the amateur radio clubs around the nation.

Every year as I help out with Field Day it becomes more and more fun. This year I have gotten more involved in the planning than the years before and it has been most enjoyable and exciting.

The planning group has decided to have more hot food this year for the operators and people helping out. PARC will spring for the heavy stuff (burgers, hot dogs, etc.).

On Saturday afternoon we are planning a potluck picnic. Watch for later announcements concerning the the potluck. The group is asking anyone wishing to come to the FD site picnic to bring a potluck dish so we can have some variety and fun in the chick-wagon!. *(hmm, what is a chick-wagon -Ed)*

On Sunday morning Gloria and I have volunteered to help PARC's chief chef, the world famous Mark KF6TN, our chief cook, with providing pancakes and bisquits. My grandson, Sean, says I make the best burned bisquits he's ever tasted. He raved and raved about them.

This year there has been a lot of emphasis placed on getting new HAMS interested in operating during Field Day. The new HAMS can operate on the HF Bands under the guidance of the person running the station and using the club call sign, **W6NWG** *(Nothing-Works-Good, an extra class callsign -Ed)*.

Each year Field Day becomes more fun for me because each year I get more and more involved. I personally invite you to come to Field Day and be a part of all this fun. The more the merrier. Remember the dates, June 24 & 25 and plan to be there. 73'S, Glenn KE6ZLY

P.S. Field Day is a "double whammie" because as well as having fun you gain valuable experience learning how to set up and operate an emergency situation.

http://dl.www.juno.com/get/tagj.

KA6TNI SK SK

Anthony Helbling

Tony attended club meetings and donated several antenns to the club. He will be missed by all who knew him.

KA6QQF SK SK

Mat McCormick

died newyear's weekend and was a well liked local amateur. He will be missed.

Topozone Tips

TopoZone USGS map site:

http://www.topozone.com/

You do NOT have to know the name of the USGS map you are after. Even a common place name like "Pacific Beach" or an obscure locale like "Ponto" will do. Topozone will then find all maps where that name appears, give you a list of the maps and let you choose the one you want.

(Edited reply from Dr. Thomas Chester, Cal Tech) Perhaps you have not noticed, but a "bug" in their software prevents printing the maps using Internet Explorer. Tnx for passing the URL along. - Lew Collins, *W1GXT*

Join the ARRL through PARC. See ***KB6NMK*** at club meetings or send her an E-M.

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Work Parties

(General workparties are not scheduled during the winter months although the Techs do make hurried runs to the site for various Technical reasons -Ed)

(3.1-3)***AB6QT***Mike visited the repeater site twice. Once to restore the PL detect on 147.130 and then to replace a patch interface board in 146.730. He left with all patch connections working except for 147.075 which still has problems.

(3.??)***WB6FMT***Jerry and ***WB6IQS*** John made some minor adjustments to the northern patch so that some equipment could be removed.

Tech Report

Mike Doyle **AB6QT**@amsat.org

147.130 PL Throughput problem: As many of you know, there has been an intermittent problem on the 147.130 repeater that renders it inoperable (until a control op puts it into net mode). Well, only time will tell, but I may have nailed this one I hope.

In early March I went to the site once again to try to find this one. I was able to pin it down to a specific board while the problem persisted, and then once I "disturbed" the board, the problem went "away" and the repeater worked normally. So, I removed the board and spent about an hour resoldering all of the connections on it. Only time will tel on this one, but let's hope for the best.

The worse case scenario if the problem returns is that the Auto Patch won't work on this one because the PL isn't getting through it. With the repeater in NET mode, it will operate identically to the 146.730 that has the PL turned off most of the time. If anybody notices this problem returnig even for short periods, please email me at ab6qt@amsat.org. Thanks.

146.730 Autopatch: An intermittent on the interface board in the 146.730 repeater caused unreliable Auto Patch usage. I replaced the board with a newer design (fewer parts and works better) in early March. The older board will be repaired as time permits and kept as a spare.

449.420: Off Frequency in late 1999 due to a drifting channel element on the receiver side. NOTE: the channel element was bought brand new sometime in early 1998. The Mitrek Radio is over 20 years old and still working fine.

Another note. Most of the problems that we encounter are not due to the age of the equipment. It should be remembered that NEW doesn't necessarily mean BETTER. The problems that we have at the site are almost always brought on by either HEAT from the summer months or COLD and ICE from the winter months.

Patch Use

The only way we can check to make sure that you can connect to the phone numbers important to you is **for you to use the patch** and the phone numbers you are interested in calling.

There are almost 10,000 individual characters of DATA typed into the SYSTEM program and there are bound to be some errors in typing by ***W9FQN***. who has been accused from time ot time fo being dyslexic.

We also have the additional problem that the phone company *adds* prefixes without consulting with us first!

This total does not take into account over 13 pages of QBASIC code in the program.

Topo(s)

Free topographic maps are said to be available on-line for the "entire United States" courtesy, in part, of the U.S. Geological Survey:

http://www.topozone.com/

CGC's experience indicates that the site lacks some maps or portions of maps, but is impressive overall.

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You do need to know the name of the topo map you are after (e.g. Julian); that is about the only requirement for using
the site. Note that you can click on different map scales and bring up progressively higher resolution views.

73, Bob W6VR

Work Numbers

Members need to be reminded that calling a work number is risky business for several reasons:

a. you could be put on hold where they play music. This is against PARC and FCC rules. You are responsible for that music even though you did not put it there. You have been appointed a temporary control operator for the patch you are running and you can kill the music by simply pressing the # sign on your microphone.

b. It is against FCC and PARC rules to conduct business on the repeaters and on the autopatches. This means that if you are stuck in traffic that you cannot call into your work place and say that you are going to be late *unless* it is a matter of obvious safety to people and/or equipment. You can call home and tell you wife you will be late and she can call the work place for you.

The FCC has recently said that you can contact a fast food establishment and order food **BUT PARC says no** to this activity. We will remove your PIN number if you do.

c. You can call your spouse at a work phone if it is a non-business call but we would appreciate it if you would listen carefully and press your push-to-talk button when they come on with the name of the company so that no one will hear it. Your transmission completely covers up anything on the phone line. It cannot be heard!

Donation

Many thanks to ***W3LFR***Gary for the donation of a 486 computer to be used on the club's autopatch system.

This computer has more memory than the old 286 and is much faster although you probably won't notice much difference at present in the dialing speed.

Where the speed is important is in the sorting through -

954 prefixes with 2 direction codes

150 PIN numbers and informational items with callsign, name, and membership info

119 BOX numbers with PINS, BOX numbers and phone numbers in each box

This amounts to at least 3,519 items or 9,655 key strokes. This speed will allow the computer to start dialing earlier and will probably become more important as more data is added.

The present 286 was used by W9FQN on packet and he will be happy to get it back on packet.

Patch Q's

Jerry Houser **WB6FMT**@sciti.com

Q. I have noticed a funny thing when I use the patch on my home telephone recording machine. I have to keep the PTT engaged while leaving a message. If I let it go, the machine thinks I've hung up and the message stops at that point.

A. Some answering machines use VOX (voice operated relay). When you unkey the microphone, the phone line gets very quiet and the answering machine thinks the caller has hung up.This may be an explanation.

Q. I have been told that some of my Touch Tones (TT) are missing when I attempt an autopatch. What is going on?

A. Many DTMF pads are set up to mute the microphone audio during the sending ot TT's and they also mute the audio for a second or two after the last TT digit pushed.

This may account for some of the missing portion of a call sign if the call sign is given AFTER the use of TT's. However, if the first portion of a call sign is missing after a simple key-up (no TT's sent) then that may point to a sluggish PL decoder (at the repeater site).

IF the decoder on the hilltop is SLIGHTLY off frequency, that can result in a delayed recognition of the PL being sent from a mobile unit. It is my understanding that the 147.130 repeater is the only PARC repeater left using a mechanical reed PL detector rather than the newer electronic version that we have in the other repeaters.

(*if you have autopatch questions, send them in to the Scope at W9FQN1@Juno.com or drop a card to the editor -Ed*)

Reservation Patch

Just wanted to say my autopatch worked great Sunday about 12:20 pm. I had bad Cell coverage on the Rincon Reservation and needed to call my wife to have her call the scout's parent's to pick them up from our hike this weekend at 1:00.

Patch was on 70cm. Audio was great even though my mobile rig is dying a premature death. Looks like my finals are gone. 73, Bill Jeffrey ***AA6J***

Use it or *Lose* It!

Why sign up for a PIN to use the autopatch if you are not going to check it out for proper operation.

Of course, 18-digits seems like a lot of digits to dial so if you have phone numbers that you think you will call more often, send them in to W9FQN and he will put them in BOXes. You will then be able to "dial home" with only 9-digits.

BOX 1 AREA-PREFIX-HOUSE
BOX 2 AREA-PREFIX-HOUSE
(ie, 760 749 0276)

and don't forget to indicate where these phone numbers are going: home, son, daughter, friend, etc. Also include your PIN number and callsign.

You can have up to 4 BOX numbers and you can use **W9FQN**1@Juno.com to send in your request ..or see him at meetings with his yellow box.

Patch & SDCTN

Since the San Diego County Traffic Net has been working on a reduced schedule (Tue/Thur/Sat), ***N6TEP*** Charles has been delivering traffic received via packet over the club's au-

topatch system with good results.

Anyone wishing to help Charles deliver some of this patch traffic should contact him on the evening SDCTN at 8 P.M. on 146.730.

(It has probably been noticed by most readers of this section of the Scope that during the past few months we have carried a large amount of information about the club's new computer operated autopatch system.

During the winter months there is little activity at the repeater site and the main activity since the end of November has been the new patch system -Ed)

Reminder

Beginning April 15, the General class Morse code exam requirement will be 5 WPM (reduced from 13 WPM). This license restructuring has created a special upgrade opportunity for Technician class licensees. Take the present 30-question General class written exam and a 5 WPM Morse code test before April 15, and qualify for a General class license when the new rules take effect.

(Note: under the present rules, anyone issued a Novice or Technician license on the basis of passing a Morse code test has permanent 5 WPM code credit.)

On April 15, new examination question pools will be implemented for use on all Amateur Radio license tests. The new General class question pool is largely made up of questions from the present General class pool. The new test will include 35 questions.

Your examiners will issue credit certificates (CSCEs) for any exams passed before April 15. Take your credit certificates issued within 365 days to an exam session on or after April 15, and turn them in toward your General class upgrade. It's that easy!

Use the 3rd edition "ARRL General Class License Manual" to prepare for the present 30-question exam.

The following links will help you obtain ARRL study materials, and to find a testing session before April 15:

ARRL Morse code training aids:
www.arrl.org/catalog/license_study_materials.phtml#code_proficiency

ARRL License Manuals:
www.arrl.org/catalog/specials/advtech.html

ARRL Exam Session Search:
www.arrl.org/arrlvec/examsearch.phtml

Or, phone toll-free 1-888-277-5289 (US) Monday through Friday from 8 AM to 8 PM Eastern time.

Please contact me if you have any questions about upgrading. I'll be happy to help you. 73,Bob Inderbitzen, NQ1R
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FAX: (860) 594-0303
Internet: **rinderbi@arrl.org**
World Wide Web: **www.arrl.org/**

Under the new licensing structure, if you choose not to upgrade you will retain your current operating and frequency privileges.

Here are some other ARRLWeb links you'll enjoy!
Main Catalog- **www.arrl.org/catalog**
New Products- **www.arrl.org/catalog/new.html**
Title Index(all products)- **www.arrl.org/catalog/bytitle.html**

SDCTN

The San Diego County Traffic Net is now working on a reduced schedule because of a lack of net controls and net handlers.

For the present they will only meet on 146.730 at 8:00 PM (20000 Hrs) on Tuesday, Thursday, and Saturday evenings.

Address Label

Please check your address on the label. Sometimes your "regular" postal person will deliver to you even though your address isn't quite right. When that postal person goes on vacation, you may miss your SCOPE, and it will be returned to PO Box 73, Vista, CA 92085, and the club is charged a fee for the return. Send corrections to PARC, PO Box 73, Vista, CA 92085 or e-mail to aldonlevy@juno.com.

Collins RS-232

About two years ago I sold my beloved RS-232 receiver at a PARC auction, but now I discover that I have the manual. Can the buyer be found ? notified? I sure don't want to dump this 3 ring notebook bound volume consisting of almost 200 pages.

This model of that famous Collins receiver was ruggedly configured for installation in jeeps and tanks, and had a solid state 28 volt power supply. Nash W6HCD

Contests

Harry Hodges **W6YOO**@amsat.org

April 1	Polish DX Contest
April 1	Spanish RTTY Contest
April 9	Japan Int'l DX Contest
April 9	UBA Spring Contest, SSB
April 16	EU Spring Sprint, SSB
April 16	Michigan QSO Party
April 23	Polish RTTY Contest
April 23	Helvitia Contest
April 29	Florida QSO Party
April 29	Ontario QSO Party
May 7	10-10 Contest, CW
May 7	Indiana QSO Party
May 14	FISTS Spring Sprint, CW
May 14	CQ-M Int'l DX Contest

Here's enough to satisfy the DXer, CW enthusiast, WAS chaser, and RTTY buff. Rules may be found in QST, World Radio, and CQ Magazines

See You In The Contest
73, Harry, W6YOO

TV Receiving Ant.

There is a very interesting web site that determines what antenna (outdoor) is best for your receiver whether it is analog or digital and is based on several factors which can be programmed through a series of prompts. It can be found at:

http://www.antennaweb.org/antennaweb/

....compliments of the Consumer Electronics Association. Dave Hill, dhill@larcan.com, LeBLANC Broadcast Inc.

Magazines *(for readers & thinkers)*

QST: *(...and doers)*
JanØØ,p60,2-m compact 2-el beam

73:
JanØØ,p51, URLs for all sorts Ham Info

PARC NETS (24) *(02/00)*

All 147.075 10-11pm MCW contacts
All 147.130 10+ pm King Henry's Net

Sun.146.730 8:30am **AREmergency Service**
Sun.146.730 10:00am **Sailor's Net**
Sun.147.130 6:30pm **ARES Staff Net**
Sun.146.730 8:00pm **Traffic Net (SDCTN)**
Sun.147.075 8:45pm **MARA Net**
Sun.146.730 9:00pm **This Wk in SDCo.**

Mon.147.075 7:00pm **Morse Code Net**
Mon.146.730 7:15pm **RACES sub Net**

Mon.146.730 9:00pm **Microwave Net**
Tue.147.075 7:00pm **Morse Code Net**
Tue.146.730 8:00pm **Traffic Net (SDCTN)**
Tue 146.730 9:00pm **Off Roading Net**
Wed.147.075 7:00pm **Morse Code Net**

Thu.147.075 7:00pm **Morse Code Net**
Thu.146.730 8:00pm **Traffic Net (SDCTN)**
Thu.146.730 9:00pm **Ham Help Net**
(electronics, computers, antennas, license theory, etc.)
Fri.147.075 7:00pm **Morse Code Net**

Fri.146.730 9:00pm **Hiker's Net**

Sat. 146.730 8:00pm **Traffic Net (SDCTN)**
Sat. 147.130 8:15pm **ARES DEC Net**
Sat. 52.680 8:00pm **6m ARES Net**

POSTMASTER: Send address changes to Scope, P.O.Box 73, Vista, CA 92085-0073 *(also on page 1)*

Time Dated Material

Temporary Meeting Place Apr/May !! See map page 1

Perodicals Postage Pd. at Vista CA 92085-9998

PARC Web Page (KE6WOE)
http://members.home.net/parc/

OPEN Repeaters/CLOSED Patches
Palomar Mt. Repeaters (W6NWG)
PARC Trustee of W6NWG: **AB6QT**

***52.680**- W6NWG, -0.5 MHz
Autopatches(4): **146.730-**, ***147.075+**
***147.130+**, ***449.420-**
PKT: **145.050s** (PALMAR/W6NWG-1)
146.700-(Duplex Pkt) PALBBS/EMG use
145.070/146.7- (W6NWG-3/PALBBS)

ATV "OUTPUT": **1241.25** MHz AM
ATV"IN": **915**wbfm, **919**am,
2441.25wbfm
Intercom: **146.415** PL 79.7 nbfm
Affiliated:
***224.38**- & ***224.94**- KK6KD(HARS)
***447.05**- & ***145.26**- KK6KD(HARS)
***146.175+** N6FQ(FalbrkARS) linked to **448.900** MHz (-) 103.5PL
***224.90**- WD6HFR (220ClubSD);
446.14- WB6FMT(123.0)Vista;

***=107.2 Hz**

Pg. *NEWS WORTHY*

01 Club program; Map; Moving; San-Clemente Island;
02 $$;
03 PresMsg; tnx; AGOGO; Board
04 Committies; LastMtg; MemInfo; VEC; EARS; DEC; Address Label
05 Items for Sale;Wanted; Power line RFI;
06 KC6MOA sk; Invention; WB6IQS; Looking; CPR; WV6Z; National Traffic System
07 FD Work Party; N6LSP sk;
08 FD Note; Iron Man; Topo; Show-n-Tell
09 Work Parties; old repeaters; patch use; Topo;
10 patch; Work Numbers; Patch Q;s; Reservation patch; Use or Lose!
11 Contests; Mags.
12 You are looking at it!

Temporary Meeting Place! see map page 1

Repeaters in Use

Please schedule *special* repeater use at least one month ahead of intended use with W9FQN:
Apr 13, Thur, 8-9pm, MARA on 147.075

PARC 2000 Calendar

April 2000 -
5 Wed Club Mtg 7:30pm, Carlsbad Theatre
8 Sat VE Testing Carlsbad Safety Center (better check the location!)
12 Wed Board Mtg 7pm, KB6NMK QTH
May 2000 -
3 Wed Club Mtg. 7:30pm, Carlsbbad Theatre

(more fine print)

PARC Testing - tests given each 2nd Saturday at 9:30 am in the Carlsbad Safety center in Carlsbad. Contact Rusty *AA6OM* at 760-747-5872 or at **DuneDancer@worldnet.att.net**
Escondido Testing - examinations on the LAST Saturday @ 9:00am, Escondido Masonic Family Center, 1331 S, Escondido Blvd., Escondido. Contact Harry W6YOO 760.743.4212.
Register 5-7 days in advance for tests.